## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

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## Listing of Claims:

- Claim 1 (Original): A method of detecting disk defects in an optical disc for an optical disc drive including an optical pickup, the method comprising the steps of:
  - emitting light from the optical pickup onto the optical disc and obtaining reflected sub-beams;
    - generating a reflected light intensity signal based on the reflected sub-beams;
- obtaining a low-frequency signal from the reflected light intensity signal;
  - holding the low-frequency signal when a difference between the reflected light intensity signal and the low-frequency signal is greater than a predetermined value; and
  - generating a defect signal when a difference between the reflected light intensity signal and the held low-frequency signal is greater than the predetermined value.

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- Claim 2 (Original): The method of claim 1 wherein the low-frequency signal is held by a capacitor.
- Claim 3 (Original): The method of claim 1 wherein the reflected

  light intensity signal is generated by summing intensities

  of the reflected sub-beams.

Claim 4 (Original): The method of claim 1 wherein the low-frequency signal is the result of averaging the reflected light intensity signal over a time period defined by a predefined time constant.

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- Claim 5 (Original): The method of claim 1 wherein the low-frequency signal is obtained by passing the reflected light intensity signal through a low-pass filter.
- 10 Claim 6 (Original): The method of claim 1 wherein at least one comparator is used to compare the difference between the reflected light intensity signal and the held low-frequency signal with the predetermined value.
- 15 Claim 7 (Original): The method of claim 1 wherein when a difference between the reflected light intensity signal and the held low-frequency signal is within the predetermined value, the held low-frequency signal is no longer held.
- 20 Claim 8 (Original): A method of detecting disk defects in an optical disc for an optical disc drive including an optical pickup, the method comprising the steps of: emitting light from the optical pickup onto the optical
- generating a reflected light intensity signal based on the reflected sub-beams;

disc and obtaining reflected sub-beams;

- obtaining a low-frequency signal after the reflected light intensity signal is processed through a low-pass filter; and
- 30 storing the low-frequency signal if a defect signal indicating existence of the disk defects appears based on a difference between the reflected light intensity

signal and the low-frequency signal.

Claim 9 (Original): The method of claim 8 wherein the low-frequency signal is stored by a capacitor.

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- Claim 10 (Original): The method of claim 8 wherein the reflected light intensity signal is generated by summing intensities of the reflected sub-beams.
- 10 Claim 11 (Original): The method of claim 8 wherein the low-frequency signal is the result of averaging the reflected light intensity signal over a time period defined by a predefined time constant.
- 15 Claim 12 (Original): The method of claim 8 wherein the low-frequency signal is obtained by passing the reflected light intensity signal through a low-pass filter.
- Claim 13 (Original): The method of claim 8 wherein at least one comparator is used to compare the difference between the reflected light intensity signal and the stored low-frequency signal with the predetermined value.
- Claim 14 (Original): The method of claim 8 wherein when a difference between the reflected light intensity signal and the stored low-frequency signal is within the predetermined value, the stored low-frequency signal is no longer held.
- Claim 15 (Currently Amended): An optical disc drive for use in a recording and/or data reproduction system utilizing a defect management system, the optical disc drive comprising:

- an optical pickup capable of emitting light onto an optical disc and obtaining reflected sub-beams;
- a low-pass filter for obtaining a low-frequency signal from a reflected light intensity signal, the reflected light intensity signal being based on the reflected sub-beams; and
- a holding circuit for holding the low-frequency signal when a difference between the reflected light intensity signal and the low-frequency signal is greater than a predetermined value[[.]]; and
- a switch electrically disconnecting the low-pass filter

  from the reflected light intensity signal when a
  difference between the reflected light intensity signal
  and the low-frequency signal is greater than the
  predetermined value.

## Claim 16 (Cancelled)

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- Claim 17 (Currently Amended): The optical disc drive of claim

  15 further comprising a subtractor for generating the
  difference between the reflected light intensity signal and
  the low-frequency signal [[;]].
- Claim 18 (New): The method of claim 1 further comprising holding
  the held low-frequency signal substantially constant for
  the duration of the generated defect signal.
- Claim 19 (New): The method of claim 2 further comprising electrically disconnecting the capacitor from the reflected light intensity signal for the duration of the generated defect signal.

Claim 20 (New): The method of claim 9 further comprising electrically disconnecting the capacitor from the reflected light intensity signal if the defect signal appears.